Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims:

1. (Withdrawn) A fusing-station roller for use in a fusing station of an electrostatographic machine, said fusing-station roller elastically deformable, said fusing-station roller comprising:

a core member, said core member rigid and having a cylindrical outer surface;

a resilient layer, said resilient layer formed on said core member; wherein said resilient layer is a fluoropolymer material, said fluoropolymer material made from an uncured formulation by a curing;

wherein said uncured formulation includes a fluoro-thermoplastic polymer;

wherein said uncured formulation includes microsphere particles, said microsphere particles having flexible walls;

wherein said microsphere particles have a predetermined weight percentage in said uncured formulation; and

wherein in addition to said microsphere particles, said uncured formulation includes solid filler particles.

- 2. (Currently Amended) The fusing-station roller of Claim +33, wherein a type of solid filler particles includes strength-enhancing filler particles.
- 3. (Original) The fusing-station roller of Claim 2, wherein said strength-enhancing filler particles are members of a group including particles of silica, zirconium oxide, boron nitride, silicon carbide, carbon black, and tungsten carbide.
- 4. (Original) The fusing-station roller of Claim 2, wherein said strength-enhancing filler particles have a concentration in said uncured formulation in a range of approximately between 2.5% 10% by weight.

- 5. (Currently Amended) The fusing-station roller of Claim +33, wherein a type of solid filler particles includes thermal-conductivity-enhancing filler particles.
- 6. (Original) The fusing-station roller of Claim 5, wherein said thermal-conductivity-enhancing filler particles are selected from a group including particles of aluminum oxide, iron oxide, copper oxide, calcium oxide, magnesium oxide, nickel oxide, tin oxide, zinc oxide, graphite, carbon black, and mixtures thereof.
- 7. (Original) The fusing-station roller of Claim 5, wherein said thermal-conductivity-enhancing filler particles have a concentration in said uncured formulation in a range of approximately between 10% 40% by weight.
- 8. (Original) The fusing-station roller of Claim 5, wherein said thermal-conductivity-enhancing filler particles have a concentration in said uncured formulation in a range of approximately between 40% 70% by weight.
- 9. (Currently Amended) The fusing-station roller of Claim +33, wherein said microsphere particles are hollow microballoons, said hollow microballoons having at least one distinguishable size.
- 10. (Original) The fusing-station roller of Claim 9, wherein said hollow microballoons have diameters of up to approximately 120 μm.
- 11. (Currently Amended) The fusing-station roller of Claim +33, wherein said microsphere particles are unexpanded microspheres, said unexpanded microspheres being expanded to microballoons during said curing, said curing being carried out at an elevated temperature.

- 12. (Original) The fusing-station roller of Claim 11, wherein said microballoons are hollow, flexible, and have at least one distinguishable size.
- 13. (Currently Amended) The fusing-station roller of Claim 433, wherein said predetermined microsphere concentration is in a range of approximately between 0.25% 10% by weight in said uncured formulation.
- 14. (Original) The fusing-station roller of Claim 13, wherein said predetermined microsphere concentration is in a range of approximately between 0.5% 4% by weight in said uncured formulation.
- 15. (Currently Amended) The fusing-station roller of Claim +33, wherein said curing is a thermal curing, said thermal curing carried out at an elevated temperature.
- 16. (Original) The fusing-station roller of Claim 15, wherein said elevated temperature is in a range of approximately between 150°C 200°C.
- 17. (Original) The fusing-station roller of Claim 15, wherein said elevated temperature is in a range of approximately between 250°C 300°C.
- 18. (Currently Amended) The fusing-station roller of Claim +33, wherein said curing of said uncured formulation is an electron-beam curing.
- 19. (Currently Amended) The fusing-station roller of Claim +33, wherein said flexible walls of said microsphere particles include a polymeric material, said polymeric material polymerized from monomers selected from the following group of monomers: acrylonitrile, methacrylonitrile, acrylate, methacrylate, vinylidene chloride, and combinations thereof.

- 20. (Currently Amended) The fusing-station roller of Claim +33, wherein said flexible walls of said microsphere particles include finely divided particles selected from a group including inorganic particles and organic polymeric particles.
- 21. (Currently Amended) The fusing-station roller of Claim +33, wherein a thickness of said resilient layer has an upper limit of approximately 0.1 inch.
- 22. (Original) The fusing-station roller of Claim 21, wherein a thickness of said resilient layer is in a range of approximately between 0.005 inch 0.02 inch.
- 23. (Currently Amended) The fusing-station roller of Claim 433, wherein said fusing-station roller is a fuser roller, said fuser roller internally heated.
- 24. (Previously Presented) The fuser roller of Claim 23, wherein said thermal conductivity of said resilient layer is in a range of approximately between 0.08 BTU/hr/ft/°F 0.7 BTU/hr/ft/°F.
- 25. (Previously Presented) The fuser roller of Claim 24, wherein said thermal conductivity of said resilient layer is in a range of approximately between 0.2 BTU/hr/ft/°F 0.5 BTU/hr/ft/°F.
- 26. (Currently Amended) The fusing-station roller of Claim 433, wherein said fusing-station roller is a fuser roller, said fuser roller being externally heated.
- 27. (Currently Amended) The fuser roller of Claim 26, wherein said thermal conductivity of said resilient layer has an upper limit of approximately 0.4 BTU/hr/ft/°F.

- 28. (Currently Amended) The fuser roller of Claim 27, wherein said thermal conductivity of said resilient layer is in a range of approximately between 0.1 BTU/hr/ft/°F 0.35 BTU/hr/ft/°F.
- 29. (Currently Amended) The fusing-station roller of Claim 133, wherein a Shore A durometer of said resilient layer is in a range of approximately between 50 80.
- 30. (Original) The fusing-station roller of Claim 29, wherein a Shore A durometer of said resilient layer is in a range of approximately between 60 70.
- 31. (Currently Amended) The fusing-station roller of Claim 433, wherein said fusing-station roller is a pressure roller.
- 32. (Original) The pressure roller of Claim 31, wherein a thermal conductivity of said resilient layer is in a range of approximately between 0.1 BTU/hr/ft/°F 0.2 BTU/hr/ft/°F.
- 33. (Previously Presented) A fusing-station roller for use in a fusing station of an electrostatographic machine, said fusing-station roller elastically deformable, said fusing-station roller comprising:

a core member, said core member rigid and having a cylindrical outer surface;

a resilient layer, said resilient layer formed on said core member; wherein said resilient layer is a fluoropolymer material, said fluoropolymer material made from an uncured formulation by a curing;

wherein said uncured formulation includes a fluoro-thermoplastic polymer, said fluoro-thermoplastic polymer comprising a copolymer, said copolymer made of monomers of vinylidene fluoride (CH₂CF₂), hexafluoropropylene (CF₂CF(CF₃)), and tetrafluoroethylene (CF₂CF₂), said copolymer having a composition of:

$$-(CH_2CF_2)x-$$
, $-(CF_2CF(CF_3))y-$, and $-(CF_2CF_2)z-$, wherein,

x is from 1 to 50 mole percent, y is from 9 to 59 mole percent, z is from 40 to 90 mole percent, x + y + z equals 100 mole percent;

wherein said uncured formulation includes microsphere particles, said microsphere particles having flexible walls;

wherein said microsphere particles have a predetermined weight percentage in said uncured formulation; and

wherein in addition to said microsphere particles, said uncured formulation includes solid filler particles.

- 34. (Currently Amended) The fusing-station roller of Claim ± 33 , wherein said solid filler particles have a mean diameter in a range of approximately between $0.1 \ \mu m 100 \ \mu m$.
- 35. (Original) The fusing-station roller of Claim 34, wherein said solid filler particles have a mean diameter in a range of approximately between $0.5 \ \mu m$ $40 \ \mu m$.
- 36. (Currently Amended) The fusing-station roller of Claim 133, wherein said fluoro-thermoplastic polymer in said uncured formulation is in a form of particles, said particles having diameters in a range of approximately between 0.01 mm 1 mm.
- 37. (Withdrawn) The fusing-station roller of Claim 1, wherein:

a weight percent of fluorine in a formula weight of said fluorothermoplastic polymer has a lower limit of about 70%; and

a molecular weight of said fluoro-thermoplastic polymer is in a range of approximately between 50,000 - 800,000.

38. (Withdrawn) The fusing-station roller of Claim 37, wherein said molecular weight of said fluoro-thermoplastic polymer is in a range of approximately between 80,000 - 200,000.

39. (Withdrawn) For use in a fusing station of an electrostatographic machine, an elastically deformable fusing-station member, said elastically deformable fusing-station member comprising:

a substrate;

a resilient layer formed on said substrate;

wherein said resilient layer is a crosslinked fluoropolymer made from an uncured formulation by a curing;

wherein said uncured formulation includes a fluoro-thermoplastic polymer;

wherein a weight percent of fluorine in a formula weight of said fluoro-thermoplastic polymer has a lower limit of about 70%;

wherein said uncured formulation includes microspheres, said microspheres having flexible walls;

wherein a form of said microspheres includes at least one of an expanded microballoon form and an unexpanded microsphere form;

wherein said microspheres have a predetermined microsphere concentration in said uncured formulation; and

wherein in addition to said microspheres, said uncured formulation includes solid filler particles.

40. (Withdrawn) A method of making a fusing-station member for use in a fusing station of an electrostatographic machine, said fusing-station member formed from a substrate and a resilient layer adhered to said substrate, said method comprising the steps of:

mixing of ingredients so as to produce an uncured formulation, said ingredients including: thermoplastic particles made of a copolymer of vinylidene fluoride, hexafluoropropylene, and tetrafluoroethylene, a curing catalyst, microsphere particles, strength-enhancing solid filler particles, and thermal-conductivity-enhancing solid filler particles, wherein said microsphere particles have a concentration in said uncured formulation in a range of approximately between 0.25% - 10% by weight;

forming on said substrate a curable layer of said uncured formulation, said curable layer formed with a substantially uniform thickness on said substrate; and

curing of said curable layer to form a cured layer on said substrate.

41. (Withdrawn) The method of Claim 40, wherein: said substrate is a core member, said core member rigid and cylindrical; and

said forming is carried out by extruding said uncured formulation around said core member, said uncured formulation at a temperature in a range of approximately between 80°C - 200°C during said extruding and said core member at any suitable temperature during said extruding.

- 42. (Withdrawn) The method of Claim 41, wherein said extruding of said uncured formulation is carried out at a temperature in a range of approximately between 160°C 180°C.
- 43. (Withdrawn) The method of Claim 40, wherein: said curing of said curable layer is a thermal curing, said thermal curing at an elevated temperature, said elevated temperature in a range between approximately 150°C 300°C; and

after said thermal curing, an additional step of cooling said cured layer on said substrate to room temperature.

- 44. (Withdrawn) The method of Claim 40, wherein said microsphere particles are unexpanded microspheres, said unexpanded microspheres expanded to microballoons during said thermal curing.
- 45. (Withdrawn) The method of Claim 40, wherein said microsphere particles in said uncured formulation are expanded microballoons.
- 46. (Withdrawn) The method of Claim 40, wherein said curing of said curable layer is an electron-beam curing.